

ABSTRACT OF THE DISCLOSURE

Data are transmitted between a core network (CN) and at least one access system (BSS) of a GSM based access system type via an Iu interface (Iu-I/F). Also, the present invention aims to provide accordingly adapted network elements. By virtue of the present invention, substantial savings concerning resources can be obtained by supporting data formats of GSM coded speech on the open, i.e., not network operator proprietary, Iu interface according to UMTS/3rd generation specifications. Thus, GSM transcoders and 3rd generation transcoders as well as GSM base station controllers and 3rd generation radio network controllers can be integrated, so that the same hardware resources can be used for both systems, i.e., for GSM as well as for 3rd generation.